

CLAIMS:

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1. A radio frequency identification device comprising:
  - a substrate;
  - communication circuitry coupled with the substrate and configured to receive a wireless signal including an identifier, to process the identifier of the wireless signal and to output a control signal responsive to the processing of the identifier; and
  - indication circuitry coupled with the communication circuitry and configured to receive the control signal and to indicate presence at the radio frequency identification device responsive to the control signal.
2. The device according to claim 1 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.
3. The device according to claim 1 wherein the wireless signal includes data and the communication circuitry is configured to output the control signal comprising the data.
4. The device according to claim 1 wherein the communication circuitry is configured to output a wireless signal.

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5. A remote communication device comprising:

a housing;

communication circuitry supported by the housing and including a data port, the communication circuitry being configured to receive a wireless signal including an identifier and data, to process the identifier, and to write the data to the data port responsive to the processing of the identifier; and

indication circuitry coupled with the data port and configured to receive the data and to indicate presence of the remote communication device responsive to the data.

6. The device according to claim 5 wherein the indication circuitry is configured to emit a human perceptible signal to indicate the presence.

7. The device according to claim 5 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

8. The device according to claim 5 wherein the communication circuitry is configured to output a wireless signal.

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1           9.    The device according to claim 5 wherein the wireless signal  
2 includes a command and the communication circuitry writes the data to  
3 the data port responsive to the command.

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5           10.   The device according to claim 5 wherein the communication  
6 circuitry comprises radio frequency identification device circuitry.

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8           11.   A remote communication device comprising:

9           a housing;

10           communication circuitry supported by the housing and including a  
11 data port, the communication circuitry being configured to receive a  
12 wireless signal including an identifier and data, to process the identifier,  
13 and to write the data to the data port responsive to the processing of  
14 the identifier; and

15           indication circuitry including:

16           a latch coupled with the data port and configured to receive  
17 the data; and

18           an indicator coupled with the latch and configured to output  
19 a signal to indicate presence of the remote communication device  
20 responsive to the data received within the latch.

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22           12.   The device according to claim 11 wherein the indicator is  
23 configured to emit a human perceptible signal to indicate the presence.  
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13. The device according to claim 11 wherein the indicator includes a light emitting device configured to emit a human visible signal to indicate the presence.

14. The device according to claim 11 wherein the wireless signal includes a command and the communication circuitry writes the data to the data port responsive to the command.

15. The device according to claim 11 wherein the communication circuitry comprises radio frequency identification device circuitry.

16. A radio frequency identification device comprising:  
an integrated circuit including communication circuitry configured to receive a wireless signal including an identifier, to process the identifier of the wireless signal and to output a control signal responsive to the processing of the identifier; and

indication circuitry coupled with the communication circuitry and configured to receive the control signal and to output a human perceptible signal to indicate presence of the radio frequency identification device responsive to the control signal.

17. The device according to claim 16 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

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1 18. The device according to claim 16 wherein the wireless signal  
2 includes data and the communication circuitry is configured to output  
3 the control signal comprising the data.

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5 19. The device according to claim 16 wherein the communication  
6 circuitry is configured to output a wireless signal.

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8 20. The device according to claim 16 further comprising a  
9 battery coupled with the communication circuitry and the indication  
10 circuitry.

11  
12 21. An identification system comprising:  
13 an interrogator configured to output a wireless signal to identify  
14 at least one of a plurality of radio frequency identification devices;  
15 plural radio frequency identification devices individually configured  
16 to receive the wireless signal and to selectively emit a human  
17 perceptible signal to indicate presence; and

18 wherein only the at least one radio frequency identification device  
19 identified by the wireless signal is configured to output the human  
20 perceptible signal responsive to receiving the wireless signal.

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22 22. The system according to claim 21 wherein the radio  
23 frequency identification devices individually include a light emitting device  
24 configured to emit a human visible signal to indicate presence.

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1           23. The system according to claim 21 wherein the wireless signal  
2 includes an identifier and the at least one radio frequency identification  
3 device is configured to indicate presence responsive to the identifier.

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5           24. The system according to claim 21 wherein the radio  
6 frequency identification devices are individually configured to output  
7 wireless signals.

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9           25. An identification system comprising:  
10 an interrogator configured to output a wireless signal including an  
11 identifier and data; and

12 a plurality of remote communication devices configured to  
13 communicate with the interrogator and individually including:

14 communication circuitry including a data port and the  
15 communication circuitry being configured to receive the wireless signal,  
16 to process the identifier, and to selectively write the data to the data  
17 port responsive to the processing of the identifier; and

18 indication circuitry coupled with the communication circuitry  
19 and configured to receive the data and to indicate presence of the  
20 respective remote communication device responsive to the data.

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22           26. The system according to claim 25 wherein the indication  
23 circuitry is configured to emit a human perceptible signal to indicate the  
24 presence.

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1 27. The system according to claim 25 wherein the indication  
2 circuitry includes a light emitting device configured to emit a human  
3 visible signal to indicate the presence.

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5 28. The system according to claim 25 wherein the wireless signal  
6 includes a command and the communication circuitry writes the data to  
7 the data port responsive to the command.

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9 29. The system according to claim 25 wherein the communication  
10 circuitry comprises radio frequency identification device circuitry.  
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1 30. An identification system comprising:

2 an interrogator configured to output plural forward link radio  
3 frequency signals individually including a command, data, and an  
4 identifier to identify at least one of a plurality of radio frequency  
5 identification devices;

6 a plurality of radio frequency identification devices configured to  
7 communicate with the interrogator and individually including:

8 a substrate;

9 communication circuitry coupled with the substrate and  
10 including a data port, the communication circuitry being configured to  
11 receive the wireless signal, to process the identifier, to selectively  
12 process the command responsive to the processing of the identifier, and  
13 to selectively write the data to the data port responsive to the  
14 processing of the command;

15 indication circuitry coupled with the data port and configured  
16 to receive the data and to output a human visible signal to indicate  
17 presence of the radio frequency identification device responsive to the  
18 data; and

19 a battery coupled with the substrate and configured to  
20 supply power to the communication circuitry and the indication circuitry;  
21 and

22 wherein only the at least one radio frequency identification device  
23 which is identified by the identifier of the wireless signal emits the  
24 human visible signal to indicate presence.



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1 31. A communication method comprising:  
2 providing a radio frequency identification device;  
3 receiving a wireless signal including an identifier within the radio  
4 frequency identification device;  
5 processing the identifier;  
6 generating a control signal after the processing; and  
7 indicating presence of the radio frequency identification device  
8 using indication circuitry of the radio frequency identification device  
9 responsive to the control signal.  
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11 32. The method according to claim 31 further comprising  
12 outputting the wireless signal using an interrogator.  
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14 33. The method according to claim 31 wherein the indicating  
15 includes emitting a human perceptible signal.  
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17 34. The method according to claim 31 wherein the indicating  
18 includes emitting a human visible signal.  
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20 35. The method according to claim 31 wherein the wireless  
21 signal includes data and the control signal comprises the data.  
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1 36. A communication method comprising:  
2 providing a remote communication device;  
3 receiving a wireless signal including an identifier and data within  
4 the remote communication device;  
5 processing the identifier;  
6 selectively outputting the data to indication circuitry of the remote  
7 communication device after the processing; and  
8 emitting a human perceptible signal using the indication circuitry  
9 after the outputting the data.

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11 37. The method according to claim 36 wherein the emitting  
12 includes emitting a human visible signal.

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14 38. The method according to claim 36 further comprising  
15 processing a command and the emitting is responsive to the processing  
16 the command.

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18 39. The method according to claim 36 wherein the providing  
19 includes providing a radio frequency identification device.  
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1           40. An identification method comprising:  
2           providing a plurality of remote communication devices individually  
3           including indication circuitry;  
4           associating the remote communication devices with respective plural  
5           objects;  
6           outputting a wireless signal to identify at least one object;  
7           receiving the wireless signal within the remote communication  
8           devices; and  
9           indicating presence of the at least one selected object using the  
10          indication circuitry of the remote communication device associated with  
11          the at least one selected object.

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13          41. The method according to claim 40 wherein the indicating  
14          includes emitting a human perceptible signal.

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16          42. The method according to claim 40 wherein the indicating  
17          includes emitting a human perceptible signal.

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19          43. The method according to claim 40 wherein the wireless  
20          signal includes an identifier and the indicating is responsive to the  
21          identifier.

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1           44. The method according to claim 40 further comprising  
2 processing the wireless signal and the indicating is responsive to the  
3 processing.

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5           45. The method according to claim 40 wherein the providing  
6 comprises providing a plurality of radio frequency identification devices.

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8           46. An identification method comprising:  
9           providing a plurality of radio frequency identification devices  
10 individually including indication circuitry;  
11           outputting a wireless signal to identify at least one of the radio  
12 frequency identification devices;  
13           receiving the wireless signal within the radio frequency  
14 identification devices; and  
15           emitting a human perceptible signal after the receiving using the  
16 indication circuitry of the at least one identified radio frequency  
17 identification device.

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19           47. The method according to claim 46 wherein the emitting  
20 includes emitting a human visible signal.

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22           48. The method according to claim 46 wherein the wireless  
23 signal includes data and the emitting is responsive to the data.  
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1 49. The method according to claim 46 wherein the outputting  
2 the wireless signal includes outputting an identifier.

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4 50. The method according to claim 46 further comprising  
5 processing the wireless signal and the emitting is responsive to the  
6 processing.

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